NOTICE OF INTENDED INSTALLATION AND USE

THE AUXILIARY VIDEO DISPLAY IS DISABLED WHEN THE VEHICLE'S PARKING BRAKE IS NOT ENGAGED

THE INSTALLER OF THIS PRODUCT MUST INSURE THE VIDEO DISABLE CONNECTION IS WORKING PROPERLY PRIOR TO DELIVERY OF THE VEHICLE.

IMPROPER INSTALLATION COULD DISTRACT THE DRIVER OR INTERFERE WITH SAFE OPERATION OF THE VEHICLE, WHICH COULD RESULT IN SERIOUS INJURY OR DEATH, AND COULD ALSO VIOLATE STATE AND/OR FEDERAL LAW.

CAR SHOW DISCLAIMS ANY LIABILITY FOR ANY BODILY INJURY OR PROPERTY DAMAGE THAT MAY RESULT FROM ANY IMPROPER OR UNINTENDED INSTALLATION AND/OR USE.

	STOP Damage to the vehicle may occur Do not proceed until process has been completed
	CAUTION Process must be carefully observed in order to reduce the risk of damage to the accessory or vehicle
	CRITICAL Process must be carefully observed in order to ensure a quality installation
	TOOLS and EQUIPMENT Specific tools and equipment recommended for this process
	SAFETY RISK Observe safe practices, this process can be dangerous and there is a risk of personal injury
	TESTING and TROUBLESHOOTING Content specific testing and troubleshooting points

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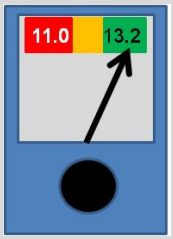
PREPARING FOR THE INSTALLATION **Before you start, please read these critical steps below**		**STEP 1**
BEFORE YOU START THE INSTALLATION, READ THIS GUIDE!		
CHECK THE BATTERY Test the battery voltage to make sure it's fully charged to a minimum of 12.8 VDC This only takes seconds and can save hours of troubleshooting later.		
TURN THE VEHICLE *OFF* Keep the Vehicle Off during the installation to avoid setting various Vehicle Fault sensors		
Keep the Vehicle OFF during the installation Failure to follow this may cause the AIRBAG FAULT SENSOR to become enabled. Dealer Service Departments charge a significant fee to reset the Fault Sensor. **Disconnect Negative Battery Terminal Before Starting!!**		

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Tools Required For Installation:

- T30 Torx Bit
- 3/8” Drill Bit
- 9/16” Open End Wrench
- Panel pry/removal tool
- Various size Phillips screw drivers
- 7mm Socket

REMOVE CENTER CONSOLE COMPONENTS

STEP 2

This step is <u>ONLY</u> for vehicles equipped with a Center Console.

If your vehicle does not have a center console proceed to step 3

Remove Center Console

Carefully remove dash trim at front of center console

Remove Center Console

Carefully remove center console by pulling straight up

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REMOVE THE FACTORY RADIO

You will need to remove multiple interior trim components prior to removing the factory radio. The following steps will help guide you through this process.

STEP 3

Remove Top Dash Tray Cover

Carefully remove rubber dash tray cover at top of dash

Dash Tray Cover Removed

Dash tray cover removed at right

Remove Dash Tray Bolts

Carefully remove plastic dash tray 2x 7mm bolts
(1 left/ 1 right)

Remove Dash Tray

Carefully remove dash tray with pry tool

Lift Rubber At Top Of Radio

Left this to expose 2 x 7mm radio mounting bolts

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Remove Top Mounting Bolts

Carefully remove 2 x 7mm mounting bolts as shown at right

Remove Instrument Cluster Trim

Carefully remove instrument cluster trim with pry tool

Remove Left Side Dash Trim

Carefully remove left side dash trim

Note: On vehicles with center consoles these panels will **NOT** be completely removed.

Drop Glove Box

Carefully drop glove box to gain access to bolts securing airbag.

Carefully Remove Airbag Mounting Bolts

Carefully remove 3 x 5/16 bolts that hold airbag mounting bracket.

****NOTE: DO NOT disconnect airbag harnesses under any circumstances!!!****

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Slide Airbag Towards You Carefully slide airbag towards you to expose dash panel mounting bolt		
Remove Right Side Dash Trim Carefully remove 7mm bolt holding right side dash trim in place. Then remove dash trim. Note: On vehicles with center consoles these panels will **NOT** be completely removed.		
Right Side Dash Trim Removed Right side dash trim removed at right Note: On vehicles with center consoles these panels will **NOT** be completely removed.		
Carefully Remove USB/3.5mm AUX Panel Using pry tool, carefully remove USB/3.5mm Aux panel To expose 7mm mounting bolt		
Unplug Panel Carefully unplug USB/3.5mm Media panel		

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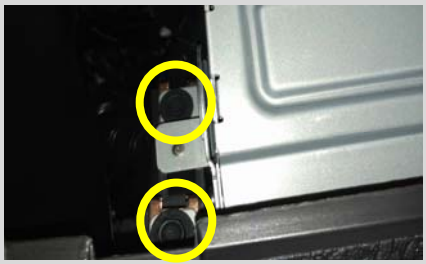
Remove 7mm Bolt After Media panel has been unplugged, remove 7mm bolt		
Remove OEM Radio Panel Carefully remove OEM radio panel by pulling out towards you		
Unplug OEM Radio Panel Carefully unplug OEM radio harnesses		
Remove SYNC Display trim Bezel Carefully remove 4 x 7mm bolts holding in SYNC display housing		
Remove SYNC Display Carefully remove 4 x 7mm bolts (2 left/2 right) holding in SYNC display		

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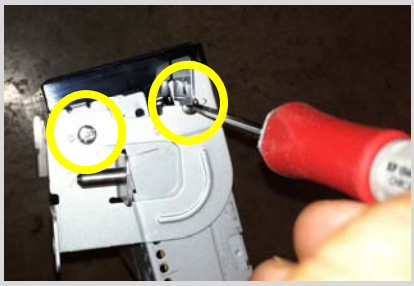
Remove SYNC Display

Carefully remove SYNC display and unplug all connections

Remove SYNC Display Brackets

Carefully remove 4 x Phillips (2 left/2 right) bracket screws



Remove OEM Radio Unit

Carefully remove 4 x 7mm radio mounting screws

Unplug OEM Radio Unit

Carefully unplug all harness and antenna connections from OEM radio unit

LOCATING REMOTE COMPONENTS

You will need to mount the GPS Antenna on the exterior of the vehicle.
The following steps will help guide you through this process.

STEP 4

Use Caution around SRS Components

It is the **installer's responsibility** to ensure that the safety equipment in the vehicle is **NOT** adversely affected by installation of this system. Ensure that the routing of the harnesses do NOT obstruct airbags, SRS or other safety devices.

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Mount the GPS antenna in a location on the exterior of the Vehicle Route the GPS harness away from other power harnesses in the vehicle. This will help to ensure optimum performance of the GPS system.		

Backup Camera Installation The following steps will instruct you how to install included backup camera		**STEP 5**
OEM Lift Gate Handle		
Tailgate Cutout Template Use template on page 20 to attach to lift gate handle as shown at right		
Remove Lift Gate Panel Remove inner lift gate panel using T30 torx bit. ****Check inside of lift gate PRIOR to drilling mounting hole for camera****		
Mark Drilling Location Mark lift gate for drilling location using pick tool or flat blade screw driver		

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CarShow Installation Guide

Drill Camera Mounting Hole Drill 3/8” mounting hole in lift gate handle		
Attach Camera Adhesive Attach foam camera adhesive to back of camera		
Insert Camera Into Lift Gate Carefully insert camera into lift gate and be sure camera is aligned properly		
Align Camera Once camera is aligned properly, apply pressure so that adhesive adheres properly to tailgate handle		
Install Mounting Hardware Put included locking washer and nut onto camera cable as shown at right		
Tighten Mounting Hardware Use 9/16 open end wrench to tighten		
Connect Cables Connect cables and be sure to put electrical tape on connections to ensure secure connection		

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Cable Routing Fish extension cable through center of truck and run towards front of vehicle		
Cable Routing Run cable through driver's floor board grommet as shown at right. Then route cable to radio cavity. Some vehicles will vary. Installer will need to use best judgment.		
Install Complete Install complete as shown at right		
Prepare Car Show Radio Bezel You will need to prepare the Car Show Navigation System for installation in the vehicle		**STEP 6**
OEM and Car Show Bezel Preparation OEM Radio Bezel on left and Car Show on right		
OEM Radio Face Assembly Remove 7x T10 torx screws to remove OEM Radio face Assembly		

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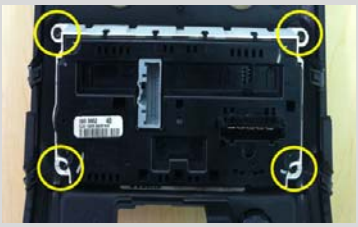
OEM Radio Face Assembly

Remove 4x T15 torx screws to remove OEM climate control Assembly



OEM Hazard Switch Assembly

Remove hazard switch assembly by depressing backside tabs on left and ride side

OEM Hazard Switch Assembly

Remove hazard switch assembly by pulling assembly out

Optional Info Switch Assembly

If vehicle is equipped with this optional Info switch, it is removed the same way as the hazard switch assembly.

Included Buttons

The included buttons need to replace the OEM buttons on the OEM switch assemblies. “Info, Setup, & Reset” buttons will ***only*** be used if vehicle is equipped with Info switch assembly mentioned above.

OEM buttons are removed by pulling straight out.

OEM buttons are a different size and will NOT fit in Car Show radio bezel

Install Switch Assemblies

Install switch assemblies by snapping into place.

Hazard Switch Assembly

Hazard switch assembly installed at right

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Blank Switch Assembly If vehicle is not equipped with Info switch assembly then use included “blank” switch assembly shown at right.		
Blank Switch Assembly Blank switch assembly being installed at right		
Car Show Radio Face Assembly Re-install OEM climate controls to Car Show radio face assembly using 4x T15 OEM torx screws that were removed in previous step.		
Car Show Radio Face Re-install OEM radio face into Car Show radio face assembly using 7x T10 OEM torx screws that were removed.		
Car Show Radio Assembly Completed Car Show radio assembly at right		

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INSTALL THE CAR SHOW NAVIGATION SYSTEM

You will need to prepare the Car Show Navigation System for installation in the vehicle.

STEP 7

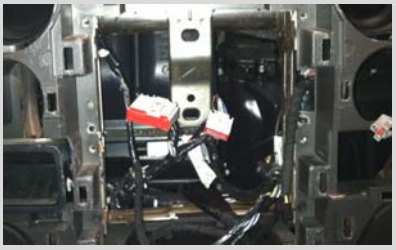
Connect GPS Antenna

The GPS Harness must be tightened with a WRENCH to ensure it is properly seated.

<u>Failure to follow this step may result in poor GPS signal</u>
See the Harness Diagrams for more information

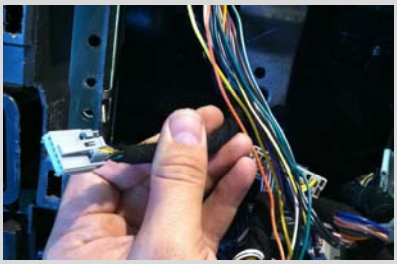
Prepare the Vehicle side harnesses for connection to the Car Show Harness

Use care not to pinch or damage cables as this will cause performance issues/failures



Connect Car Show Harness

Connect Car Show “T” harness to OEM harnesses.
Use care not to pinch or damage cables as this will cause performance issues/failures



Connect OEM Radio Chassis

Connect OEM Radio chassis to Car Show “T” harness.
Be sure to connect AM/FM & Satellite Radio antennas.
Use care not to pinch or damage cables as this will cause performance issues/failures

Connect the Power Harnesses

Be sure harness has secure connection to ensure proper performance

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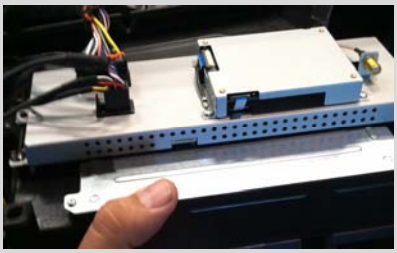
Install Car Show Nav Monitor Carefully install Car Show Nav display ensuring that ALL connections are secure		
Install Car Show Nav Monitor Carefully install Car Show Nav display ensuring that ALL connections are secure.		
Mount OEM Radio Chassis Into Dash Insert OEM Radio Chassis into dash and re-install radio mounting screws that were removed in step 2		
Radio Face Assembly Connect radio Face/climate control assembly harnesses. Be sure all connectors are securely connected.		
Snap Radio Face Assembly Into Place Carefully snap radio face assembly into place. Then, with the connectors <u>Fully Engaged</u>, turn the vehicle on and verify system powers up.		

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Mount OEM SYNC Display Adhere included Velcro to bottom of OEM SYNC display		
Prepare OEM SYNC Module Adhere other included piece of Velcro to OEM SYNC module		
Re-install OEM SYNC Display Connect OEM SYNC Display to OEM harness and Velcro SYNC Display to SYNC Module NOTE: Be sure the harness is connected properly as SYNC system will not function properly unless connected.		
OEM SYNC Display OEM SYNC Display shown at right mounted to OEM SYNC Module via Velcro		
RE-INSTALL THE TRIM COMPONENTS You will need to reinstall all trim components that were removed in step 2		**STEP 8**
Re-Install Dash Trim Carefully re-install right hand side dash trim and be sure to replace the 7mm bolt that was removed in step 2.		

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Re-Install Dash Trim

Carefully re-install left hand side dash trim and be sure that it's aligned properly

Re-Install Passenger Side Airbag

Carefully re-install passenger side airbag and glove box assembly

****NOTE: DO NOT disconnect airbag harnesses under any circumstances!!!****

Re-Install Airbag Mounting Bolts

Carefully re-install 3x 5/16 passenger side airbag mounting bolts

ENABLE INSTALLER SETTINGS

STEP 9

You will need to select certain Installer Setting based on any Optional Equipment that you may have installed

Launch the Installer Setting Screen

From any screen with the Menu Button, follow these steps to display the Installer Setting Screen, select:

1) From any Screen, select "Settings"
2) Press "Keypad," Press "7253" and "Enter"

Select the individual Settings as needed for the installed components

Selectable options vary by product and installation. Select the options as applicable for the installed optional components.

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Perform Pre-Delivery Tests

You will need to perform several Pre-Delivery Tests to ensure customer satisfaction
Some optional equipment may not be applicable

STEP 10

Turn the vehicle ON and System ON

Confirm the unit starts up properly

Troubleshooting

1) Reset the System while the Vehicle is ON
2) Confirm all connectors are properly installed
3) Check the Vehicle and System Fuses

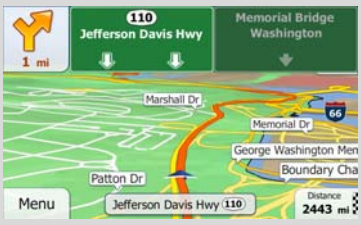
Select RADIO as the Source

Select SATELLITE RADIO as the Source

Select Phone as the Source

Select NAV as the Source

Confirm the Navigation loads and signal strength is OK



Troubleshooting

1) Confirm the antenna has an unobstructed view of the sky
2) Confirm the antenna is located on the outside of the vehicle
3) Confirm the antenna connection is properly tightened

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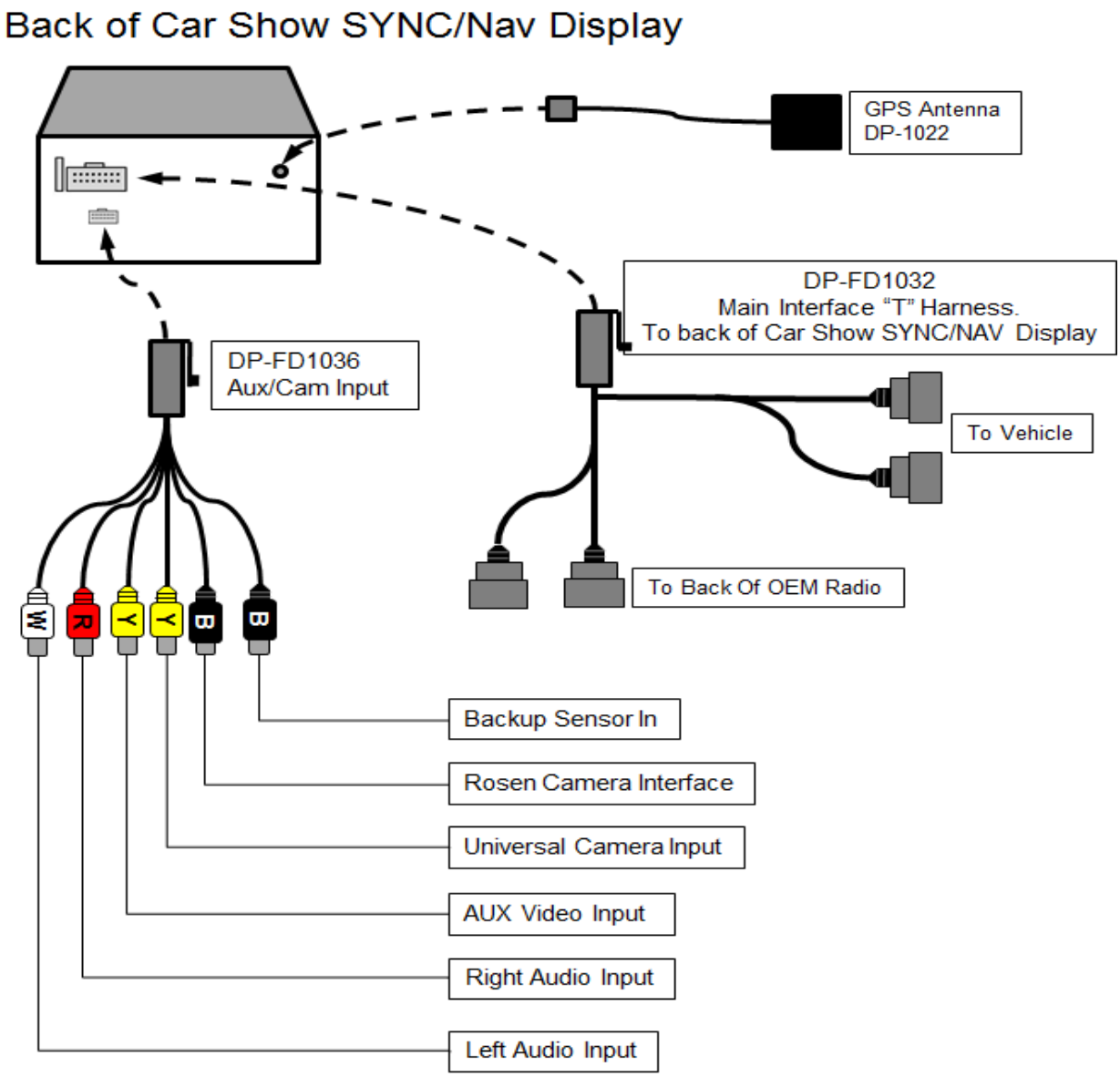
Select Reverse Camera

Confirm the backup camera screen shows in reverse

Troubleshooting

1) Confirm the Camera is set to ON in the Installer Settings
2) Confirm the Camera is receiving 12VDC as required

Main Harness Diagram



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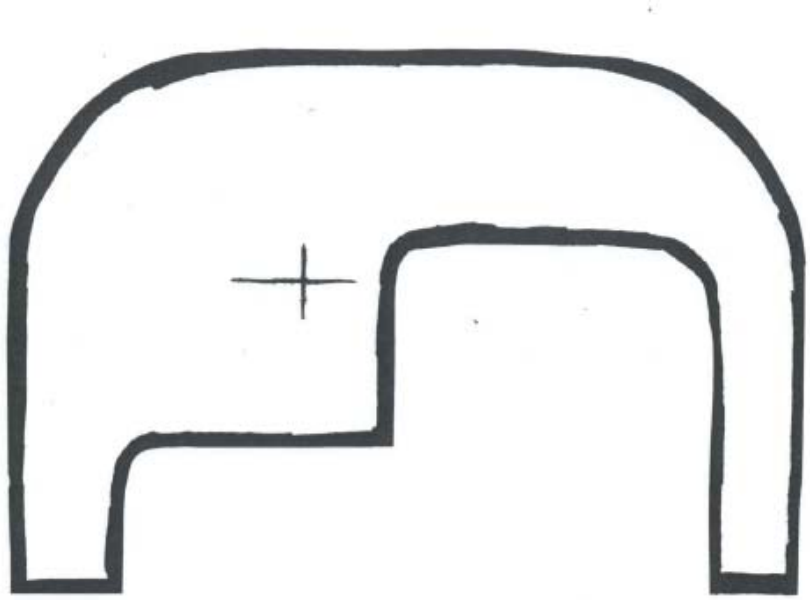
F-150 Lift Gate Camera Template



CARSHOW

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